IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method for navigating in three-dimensional electronic image data records, the image data records including three-dimensional partial image data records, the method comprising ~~the method steps of~~:

——optically displaying at least ~~one~~ two mutually perpendicular two-dimensional projections of an image data record, ~~that comprises~~ at least one of the two projections including ~~a~~ at least one two-dimensional partial projection of at least one partial image data record~~,~~;

——optically emphasizing the at least one two-dimensional partial projection~~,~~;

——functionalizing the at least one optically emphasized partial projection ~~in~~ such ~~a way~~ that the at least one optically emphasized partial projection is ~~latter can be~~ selectable~~ed~~ by a user input~~,~~;

——receiving a user input directed toward the selection of at least one partial projection functionalized in such a way~~,~~; and

——automatically ~~displaying optically~~displacing, as a function of the user input, the at least one projection not including the at least one partial projection in such a way that it includes the partial projection after displacement~~further two dimensional projection of the image data record that comprises a two dimensional projection of the selected partial image data record~~.

2. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~wherein the image data record ~~has been~~is formed by fusing at least two source image data records.

3. (Currently Amended) The method as claimed in claim 2, ~~characterized in that~~wherein all the partial image data records ~~have been~~are formed from the same source image data record.

4. (Currently Amended) The method as claimed in ~~one of claims 2 or 3, characterized in that~~claim 2, wherein the source image data records ~~comprise~~ includes a source image data record obtained from a computed tomography method, and a source image data record obtained from a positron emission tomography method.

5. (Currently Amended) A computer program product that facilitates at least one of executing ~~or~~ and installing the method as claimed in ~~one of the preceding claims~~claim 1 on a computer.

6. (New) The method as claimed in claim 3, wherein the source image data records includes a source image

7. (New) A computer program product that facilitates at least one of executing and installing the method as claimed in claim 2 on a computer.

8. (New) A computer program product that facilitates at least one of executing and installing the method as claimed in claim 3 on a computer.

9. (New) A computer program product that facilitates at least one of executing and installing the method as claimed in claim 4 on a computer.

10. (New) A computer program product that facilitates at least one of executing and installing the method as claimed in claim 6 on a computer.

11. (New) A computer readable medium including program segments for, when executed on a computer, causing the computer to implement the method of claim 1.

12. (New) A computer readable medium including program segments for, when executed on a computer, causing the computer to implement the method of claim 2.

13. (New) A computer readable medium including program segments for, when executed on a computer, causing the computer to implement the method of claim 3.

14. (New) A computer readable medium including program segments for, when executed on a computer, causing the computer to implement the method of claim 4.

15. (New) A computer readable medium including program segments for, when executed on a computer, causing the computer to implement the method of claim 6.

16. (New) An apparatus for navigating in three-dimensional electronic image data records, the image data records including three-dimensional partial image data records, the apparatus comprising:

means for optically displaying at least two mutually perpendicular two-dimensional projections of an image data record, at least one of the two projections including at least one two-dimensional partial projection of at least one partial image data record;

means for optically emphasizing the at least one two-dimensional partial projection;

means for functionalizing the at least one optically emphasized partial projection such that the at least one optically emphasized partial projection is selectable by a user input;

means for receiving a user input directed toward the selection of at least one partial projection functionalized in such a way; and

means for automatically displacing, as a function of the user input, the at least one projection not including the at least one partial projection in such a way that it includes the partial projection after displacement.

17. (New) The apparatus as claimed in claim 16, wherein the image data record is formed by fusing at least two source image data records.

18. (New) The apparatus as claimed in claim 17, wherein all the partial image data records are formed from the same source image data record.

19. (New) The apparatus as claimed in claim 17, wherein the source image data records includes a source image data record obtained from a computed tomography method, and a source image data record obtained from a positron emission tomography method.